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DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES



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STATE OF MONTANA

Solid & Hazardous Waste Bureau  
(406) 444-2821

HELENA, MONTANA 59620

STATE DOCUMENTS COLLECTION

April 17, 1986

APR 20 1986

RE: Preliminary Environmental Review  
Montana Tunnels Class III Solid Waste Management System

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Jefferson County Commissioners, Courthouse, Boulder, MT  
John Fitzpatrick, Centennial Minerals, Inc., Helena, MT  
Claire McElreath, R.S., Jefferson County Sanitarian, Boulder, MT  
Tom Ellerhoff, Environmental Sciences Division, MDHES, Helena, MT  
Environmental Quality Council, Capitol Building, Helena, MT  
Harold Chambers, State Library, Capitol Complex, Helena, MT

Ladies and Gentlemen:

Pursuant to the Administrative Rules of Montana, 16.2.604, the following Preliminary Environmental Review has been prepared by the Department of Health and Environmental Sciences concerning Centennial Minerals, Inc. Class III Solid Waste Management System.

The purpose of the Preliminary Environmental Review is to inform all interested governmental agencies, public groups or individuals of the proposed action and to determine whether or not the action may have a significant effect on the human environment. This Preliminary Environmental Review will be circulated for a period of fifteen (15) days at which time a decision will be made as to our future action.

If you care to comment on this proposed action, please do so within the allotted time.

Sincerely,

James E. Leiter  
Solid & Hazardous Waste Bureau

JEL/pm  
Encl.

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DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES  
Cogswell Building, Helena, Montana 59601  
(406) 444-2821

PRELIMINARY ENVIRONMENTAL REVIEW

Division/Bureau Environmental Health/Solid & Hazardous Waste Bureau

Project or Application Montana Tunnels Class III Solid Waste Management System

Description of Project Centennial Minerals, Inc. has submitted an application to license a Class III landfill for disposal of construction debris, waste rock and other inert, non-water soluble wastes from construction and operation of the Montana Tunnels Mine. All class II waste and any hazardous waste will be removed from the site for disposal at licensed facilities. The solid waste disposal site will be operated in a portion of the mine within Section 8, Range 4W, Township 7 North in Jefferson County. The location is approximately 5 miles southwest of Jefferson City, Montana. This PER addresses potential impact from operations of the Class III solid waste management system only and does not address other impacts of the mine operation or construction.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

	Major	Moderate	Minor	None	Unknown	Comments on Attached Pages
1. Terrestrial & aquatic life and habitats				X		
2. Water quality, quantity and distribution				X		
3. Geology & soil quality, stability and moisture			X			X
4. Vegetation cover, quantity and quality				X		
5. Aesthetics				X		
6. Air quality				X		
7. Unique, endangered, fragile, or limited environmental resources				X		
8. Demands on environmental resources of land, water, air & energy				X		
9. Historical and archaeological sites				X		



# POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

	Major	Moderate	Minor	None	Unknown	Comments on Attached Pages
1. Social structures and mores				X		
2. Cultural uniqueness and diversity				X		
3. Local and state tax base & tax revenue				X		
4. Agricultural or industrial production				X		
5. Human health				X		
6. Quantity and distribution of community and personal income				X		
7. Access to and quality of recreational and wilderness activities				X		
8. Quantity and distribution of employment				X		
9. Distribution and density of population and housing				X		
10. Demands for government services			X			X
11. Industrial & commercial activity				X		
12. Demands for energy				X		
13. Locally adopted environmental plans & goals				X		
14. Transportation networks & traffic flows				X		

Other groups or agencies contacted or which may have overlapping jurisdiction Jefferson County Sanitarian

Individuals or groups contributing to this PER. None

Recommendation concerning preparation of EIS No EIS necessary

PER Prepared by: James E. Leiter

Date: April 17, 1986



### Potential Impact of Physical Environment

#3) Geology & Soil Quality, Stability & Moisture - Some of the waste materials, scrap lumber for example, are biologically decomposable and, if buried in large quantity, can cause some settling of finished landfill surfaces. In the quantities expected, there should be virtually no settling due to the small proportion of such materials in relationship to the waste rock.

### Potential Impacts on Human Environment

#10) Demands for Government Services - Establishment of a new class III landfill in this area will require periodic inspections of the landfill facility by state and local health department personnel. The amount of time or cost for services will be relatively insignificant.

